

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052725\  
 Data File : BP024808.D  
 Acq On : 27 May 2025 11:43  
 Operator : RC/JU  
 Sample : PB168156BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB168156BS

Manual Integrations  
 APPROVED

Reviewed By :Rahul Chavli 05/27/2025  
 Supervised By :Jagrut Upadhyay 05/28/2025

Quant Time: May 27 12:21:09 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP051325.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 13 16:21:39 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.652  | 152  | 144142   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.416 | 136  | 557481   | 20.000  | ng    | -0.02    |
| 39) Acenaphthene-d10          | 14.275 | 164  | 333540   | 20.000  | ng    | -0.03    |
| 64) Phenanthrene-d10          | 17.075 | 188  | 663816   | 20.000  | ng    | -0.02    |
| 76) Chrysene-d12              | 21.492 | 240  | 754771   | 20.000  | ng    | -0.03    |
| 86) Perylene-d12              | 24.768 | 264  | 873725   | 20.000  | ng    | -0.04    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.287  | 112  | 1141010  | 135.391 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.852  | 99   | 1338401  | 124.435 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.799  | 82   | 827382   | 74.989  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 15.792 | 330  | 871315   | 154.093 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 12.887 | 172  | 2114361  | 83.051  | ng    | -0.02    |
| 79) Terphenyl-d14             | 19.798 | 244  | 3592964  | 81.625  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.222  | 88   | 133395   | 33.708  | ng    | 98       |
| 3) Pyridine                   | 3.617  | 79   | 308498   | 35.157  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.528  | 42   | 163879   | 42.304  | ng    | 93       |
| 6) Aniline                    | 6.993  | 93   | 298772   | 21.515  | ng    | 100      |
| 8) 2-Chlorophenol             | 7.228  | 128  | 444041   | 46.414  | ng    | 97       |
| 9) Benzaldehyde               | 6.810  | 77   | 235934   | 33.886  | ng    | 99       |
| 10) Phenol                    | 6.875  | 94   | 480150   | 43.251  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.087  | 93   | 355835   | 39.008  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.540  | 146  | 484507   | 44.018  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.687  | 146  | 492390   | 44.478  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.999  | 146  | 470522   | 43.618  | ng    | 97       |
| 15) Benzyl Alcohol            | 7.899  | 79   | 339883   | 41.583  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.163  | 45   | 421374   | 38.572  | ng    | 98       |
| 17) 2-Methylphenol            | 8.105  | 107  | 342157   | 42.972  | ng    | 99       |
| 18) Hexachloroethane          | 8.704  | 117  | 181592   | 42.805  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.452  | 70   | 265440   | 35.676  | ng    | 95       |
| 20) 3+4-Methylphenols         | 8.434  | 107  | 458203   | 42.305  | ng    | 98       |
| 22) Acetophenone              | 8.463  | 105  | 606817   | 43.576  | ng    | 99       |
| 24) Nitrobenzene              | 8.840  | 77   | 411810   | 42.413  | ng    | 95       |
| 25) Isophorone                | 9.357  | 82   | 753049   | 39.346  | ng    | 97       |
| 26) 2-Nitrophenol             | 9.546  | 139  | 235742   | 49.548  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.616  | 122  | 392332   | 46.770  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 9.834  | 93   | 476348   | 41.659  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.093 | 162  | 401711   | 49.417  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.281 | 180  | 438609   | 47.881  | ng    | 97       |
| 31) Naphthalene               | 10.463 | 128  | 1309822  | 45.340  | ng    | 100      |
| 32) Benzoic acid              | 9.804  | 122  | 266336m  | 45.979  | ng    |          |
| 33) 4-Chloroaniline           | 10.593 | 127  | 204885   | 17.575  | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.746 | 225  | 290020   | 48.872  | ng    | 97       |
| 35) Caprolactam               | 11.393 | 113  | 122501   | 41.652  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 11.728 | 107  | 435188   | 43.900  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.081 | 142  | 833068   | 44.535  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.298 | 142  | 867974   | 43.366  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.451 | 216  | 490136   | 50.605  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.428 | 237  | 659138   | 112.231 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 12.704 | 196  | 327087   | 52.138  | ng    | 100      |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.793 | 196  | 349771   | 50.088  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.098 | 154  | 1152119  | 46.735  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.140 | 162  | 885749   | 47.123  | ng    | 100      |
| 48) 2-Nitroaniline            | 13.357 | 65   | 243849   | 43.819  | ng    | 93       |
| 49) Acenaphthylene            | 13.992 | 152  | 1449618  | 46.084  | ng    | 99       |
| 50) Dimethylphthalate         | 13.734 | 163  | 1139993  | 44.842  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 13.857 | 165  | 247271   | 46.054  | ng    | 99       |
| 52) Acenaphthene              | 14.334 | 154  | 826382   | 45.698  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.198 | 138  | 123893   | 22.599  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.416 | 184  | 299870   | 87.884  | ng    | 96       |
| 55) Dibenzofuran              | 14.675 | 168  | 1327031  | 46.007  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.545 | 139  | 367721   | 77.610  | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 14.657 | 165  | 365937   | 48.344  | ng    | 97       |
| 58) Fluorene                  | 15.339 | 166  | 1090961  | 46.386  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 14.916 | 232  | 321400   | 49.614  | ng    | 96       |
| 60) Diethylphthalate          | 15.116 | 149  | 1168537  | 45.477  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.328 | 204  | 558010   | 47.574  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.381 | 138  | 245582m  | 46.393  | ng    |          |
| 63) Azobenzene                | 15.628 | 77   | 912295   | 41.503  | ng    | 94       |
| 65) 4,6-Dinitro-2-methylph... | 15.445 | 198  | 205860   | 48.010  | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 15.551 | 169  | 956381   | 46.905  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.239 | 248  | 383581   | 49.038  | ng    | 98       |
| 68) Hexachlorobenzene         | 16.363 | 284  | 490203   | 49.319  | ng    | 97       |
| 69) Atrazine                  | 16.533 | 200  | 364704   | 48.807  | ng    | 99       |
| 70) Pentachlorophenol         | 16.728 | 266  | 627557   | 112.477 | ng    | 97       |
| 71) Phenanthrene              | 17.116 | 178  | 1690348  | 45.806  | ng    | 100      |
| 72) Anthracene                | 17.204 | 178  | 1724203  | 46.439  | ng    | 100      |
| 73) Carbazole                 | 17.492 | 167  | 1589773  | 47.308  | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.080 | 149  | 2016988  | 46.670  | ng    | 100      |
| 75) Fluoranthene              | 19.204 | 202  | 2029843  | 47.056  | ng    | 99       |
| 77) Benzidine                 | 19.410 | 184  | 726363   | 35.334  | ng    | 100      |
| 78) Pyrene                    | 19.580 | 202  | 2060591  | 45.564  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.527 | 149  | 951232   | 47.294  | ng    | 93       |
| 81) Benzo(a)anthracene        | 21.474 | 228  | 2212139  | 46.676  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.410 | 252  | 568250   | 32.282  | ng    | 99       |
| 83) Chrysene                  | 21.539 | 228  | 2055797  | 45.759  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.416 | 149  | 1404288  | 47.502  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.651 | 149  | 2361682  | 48.852  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.456 | 276  | 3031662  | 47.528  | ng    | # 91     |
| 88) Benzo(b)fluoranthene      | 23.721 | 252  | 2354335  | 47.077  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.792 | 252  | 2403832  | 46.647  | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.615 | 252  | 2274584  | 47.357  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.527 | 278  | 2469568  | 47.590  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 29.592 | 276  | 2417887  | 46.854  | ng    | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

